

What is claimed is:

1. A method for effecting a configuration change in a telecommunications system, comprising:
 - receiving a request for a system change;
 - performing a plurality of checks to determine if the current setting of the particular configuration allows the requested change;
 - updating the system; and
 - carrying out the requested change.
2. The method of claim 1, wherein performing a plurality of checks comprises:
 - determining whether the system change request is allowed by a current system configuration.
3. The method of claim 2, wherein determining comprises:
 - consulting an information database for a valid parameter setting for the system change request.
4. The method of claim 1, wherein updating the system comprises:
 - changing the rules for other parameters in the system depending upon the current system change request; and
 - changing the configuration in response to the change request.
5. The method of claim 4, wherein changing the rules comprises:
 - consulting a set of system change parameter rules for the requested system change;
 - consulting a set of other parameter rules for any parameters affected by the requested system change; and
 - changing the available other parameter rules for each other parameter affected by the requested system change to allow only those other parameter rules that are available given the requested system change.

6. The method of claim 5, wherein changing the configuration comprises:
modifying a set of parameter rules for any other parameter required by the requested system change.
7. The method of claim 1, wherein carrying out the configuration change comprises:
storing the system change; and
making changes to hardware in the system affected by the system change.
8. A method for effecting a requested system change in a telecommunications system, comprising:
performing a plurality of checks to determine if the current setting of the particular configuration allows the requested change;
updating the system; and
carrying out the configuration change.
9. A method for operating a systems operation module in a telecommunications system, comprising:
receiving a request for a system change;
determining changes to be made to the system to effect the system change;
and
making the system change.
10. The method of claim 9, wherein determining changes to be made to the system comprises:
consulting an information database for a rule set for the requested system change; and
reconciling the requested system change with all system parameters affected by the requested system change.
11. The method of claim 10, wherein reconciling comprises:

configuring available options for affected parameters according to the rule set for the requested system change.

12. The method of claim 9, wherein making the system change comprises:
writing a new configuration to a system information database; and
changing hardware of the system to effect the system change.
13. A systems operation module for a telecommunications system, comprising:
a systems operation application interface to provide access functions for the system; and
a systems operation manager to control system operation.
14. The systems operation module of claim 13, wherein the systems operation application interface comprises:
a data structure containing a plurality of rule sets for a plurality of parameters of the system, the plurality of rule sets cross referenced with one another to allow reconciling of a change in one parameter with the rules for all other parameters affected by the change in the one parameter.
15. The systems operation module of claim 13, wherein the systems operation manager further comprises a computer program executable by a computer for causing the computer to perform a method comprising:
receiving a request for a system operation;
performing a plurality of checks to determine if the current setting of the particular configuration allows the requested change;
updating the system; and
carrying out the configuration change.
16. A telecommunications system, comprising:
a system information database containing configuration information for the system;

a plurality of modules to perform individual system functions; and
a systems operation module between the plurality of modules and the system information database, the systems operation module to control all system change events.

17. The telecommunications system of claim 16, wherein the systems operation module comprises:

a systems operation application interface to communicate with the plurality of modules to provide access functions for the system; and
a systems operation manager to control system operation.

18. The telecommunications system of claim 17, wherein the telecommunications system further includes a computer, and the systems operation manager comprises a machine readable medium for causing the computer to execute a method comprising:

receiving a requested system change;
performing a plurality of checks to determine if a current setting of a particular configuration of the system allows a requested change;
updating the system; and
carrying out the configuration change.

19. A machine readable medium comprising machine readable instructions for causing a computer to perform a method comprising:

performing a plurality of checks to determine if the current setting of the particular configuration allows the requested change;
updating the system; and
carrying out the configuration change.

20. The method of claim 19, wherein performing a plurality of checks comprises:
determining whether the system change request is allowed by a current system configuration.

21. The method of claim 20, wherein determining comprises:
consulting an information database for a valid parameter setting for the system change request.
22. The method of claim 19, wherein updating the system comprises:
changing the rules for other parameters in the system depending upon the current system change request; and
changing the configuration in response to the change request.
23. The method of claim 22, wherein changing the rules comprises:
consulting a set of system change parameter rules for the requested system change;
consulting a set of other parameter rules for any parameters affected by the requested system change; and
changing the available other parameter rules for each other parameter affected by the requested system change to allow only those other parameter rules that are available given the requested system change.
24. The method of claim 23, wherein changing the configuration comprises:
modifying a set of parameter rules for any other parameter required by the requested system change.
25. The method of claim 19, wherein carrying out the configuration change comprises:
storing the system change; and
making changes to hardware in the system affected by the system change.